

# WELCOME TO THE WORLD OF SINCLAIR AIR CONDITIONERS





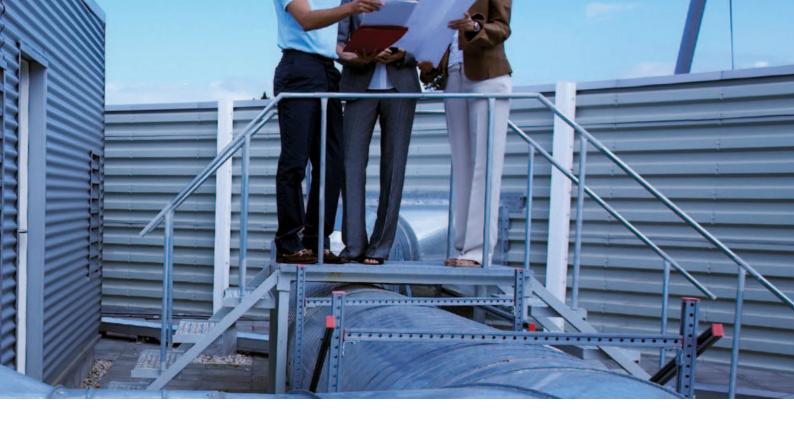


INDOOR UNITS												
	2.2	2.8	3.6	4.5	5.6	7.1						

•	•
•	•
•	•
	•

#### OUTDOOR UNITS

Model (kW)	10.5	12.0	14.0	16.0	
Small unit	•	•	•	•	
Combinable unit					
NON-combinable unit					



10.0	11.2	12.5	14.0	20.0	25.0	28.0	model
							SDV4-xxCA
•	•		•				SDV4-xxC4A
	•		•				SDV4-xxDA
				•	•	•	SDV4-xxxDHA
		•	•	•	•	•	SDV4-xxxDFA
	•		•				SDV4-xxFA
							SDV4-xxHA-B

25.2/28.0	33.5/40.0/45.0	53.0/56.0	model
			SDV4-xxxEA
•	•		SDV4-xxxEA
•	•	•	SDV4-xxxEAi





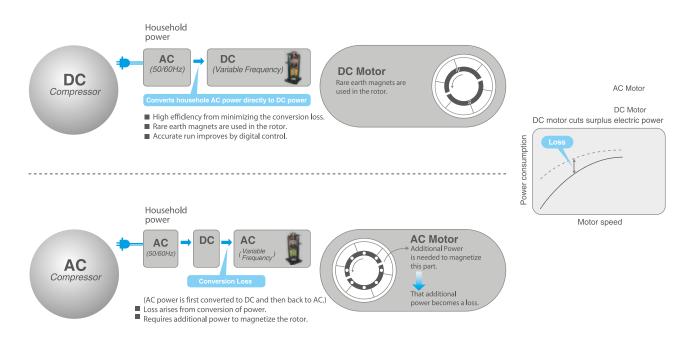
#### **Features**

- Wide product range, including DC inverter smart series and DC inverter smart series (individual).
- Wide adjustment range, high level and modern nature design. Sinclair DC inverter A/C can create perfect living conditions.
- Adopts DC inverter technology.
- Energy saving

#### DC Compressor

#### DC COMPRESSOR IS ADOPTED FOR IMPROVING EFFICIENCY

(Less energy consumption saves your electricity charges.)

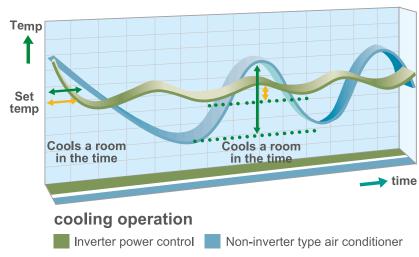




## Low noise and comfortable

At startup, full power is used to achieve the room temperature setting quickly. Then, the capacity is adjusted according to the outdoor temperature changes and subtle indoor load changes to achieve fine-control of the room temperature setting.

Non-inverter type air conditioners must be switched on and off repeatedly, causing large fluctuations of the room temperature.



# Select the best indoor and universal controller

Select the best indoor unit to match room requirement and design needs. We have 7 types of indoor units to choose from, including 4-way cassette, ceiling and floor, wall-mounted, duct and so on.

Diversification and universal controller for DC inverter air conditioners, including wireless remote controller, wired controller, weekly timer, central controller and network controller.

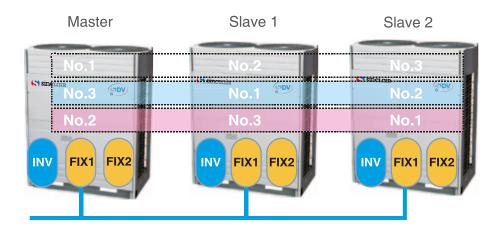




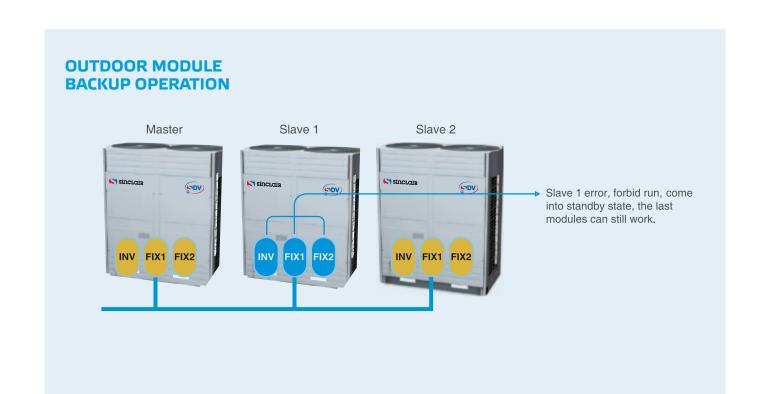
#### Intelligent Management

#### RECYCLE OPERATION OF OUTDOOR UNITS

Slave 1 error, forbid run, come into standby state, the last modules can still work.



In one combination, any of outdoor unit can run as the master outdoor unit and realize the similar lifespan among the ODS in the combination.



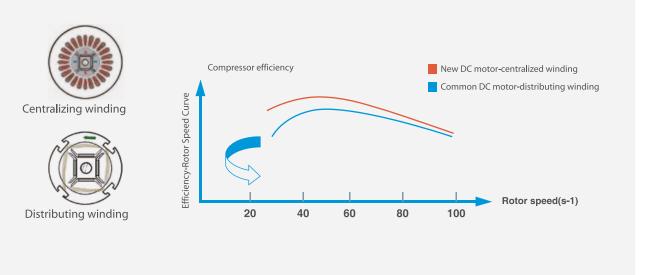
#### High Efficiency

HIGH EFFICIENCY DC INVERTER COMPRESSOR, SAVES POWER 25%

DC adjustable-speed save 25% electric fee than AC adjustable-speed

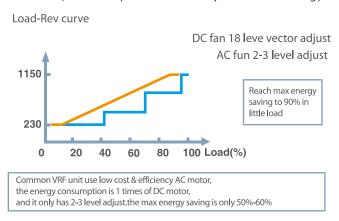


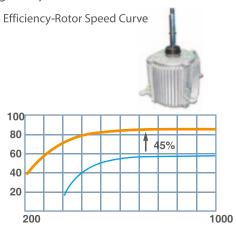
The AC load ratio of building is 30%-75%, the area is 55%, most of the AC runs in the mid load, so the mid load operation ratio control the whole year AC running charge.



#### **HIGH EFFICIENCY DC INVERTER MOTOR, SAVES POWER 50%**

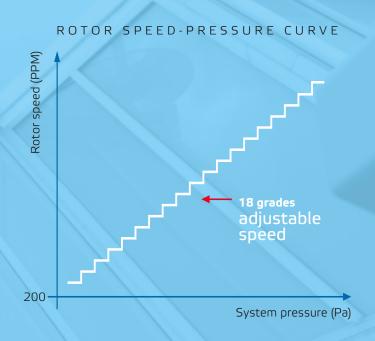
Common VRF unit uses low cost & efficiency AC motor, the energy consumption is 1 times of DC motor, and it only has 2-3 level adjust the max energy saving is only 50%-60%





# New SDV4 system

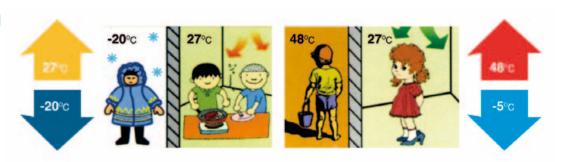
Motor rotor speed waves among ±5r and can rapidly match DC Inv. Compressor to output and enhance efficiency in part load.



#### Enhanced Rated Heat Capacity

#### WIDE OPERATION RANGE

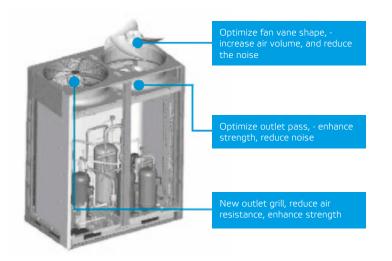
No matter in the 48°C summer, or in -20°C winter, SDV4 assures the well running to make you feel Spring All Year Round.



# Intelligent defrost System will adjust defrost according to the main operation parameters but not fixed the defrost time. SDV4 INDIVIDUAL INTELLIGENT DEFROST IMPROVES THE HEAT CAPACITY Test Drawing: Intelligent Defrost Heating 85min.defrost 4min Gefrosting Heating 85min.defrost 4min Gefrosting Heating 85min.defrost 4min Time(Min) Time(Min)

#### TAKE 45KW UNIT (16HP) FOR EXAMPLE

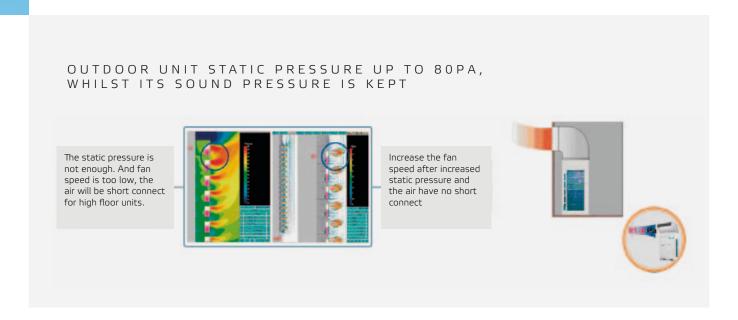




#### Silent Operation

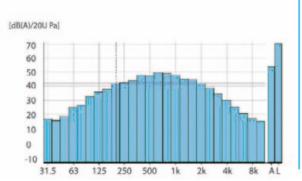
#### **IMPROVED AIR VOLUME**

- Increase the static pressure and decrease the loss of pressure.
- Decrease the input and decrease the noise level.



AUTOSPECTRUM (SIGNAL2)-INPUT2 (REAL)\CPB ANALYZER

# Environment friendly technology



Cursor values X:200.00 HZ Y:41.666 dB(A)/20U Total:57.026 dB(A)

> SDV4 28kW noise testing data!

SOUND LEVEL												
unit:dB(A)	25,2kW	28kW	33,5kW	40kW	45kW							
SDVIII	60	60	62	62	62							
SDV4	57	57	58	60	60							
Decrease	-3	-3	-4	-2	-2							

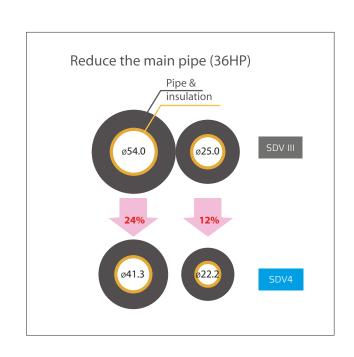


### More flexible design

#### **SMALLER PIPE DIAMETER**

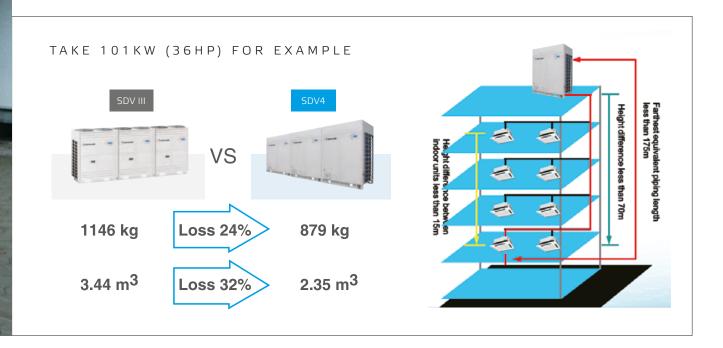
SDV4 reduces the size of the main pipe, greatly reduces the cost of purchasing refrigerant pipe and saves the space.

Pipe diameter (mm)											
TYPE		SDVIII	SDV4								
8HP	L	ø12.7	ø9.5								
	G	ø28.6	ø19.1								
10/12HP	L	ø12.7	ø9.5								
	G	ø28.6	ø22.2								
14/16HP	L	ø15.9	ø12.7								
	G	ø38.0	ø28.6								



#### More easy installation SDV4 designed by the special control software, combines CFD to simulate heat-exchange.Less space, lighter weight and easy to maintain.

- Longer connecting pipe, higher fall, flexible use for various buildings.





#### Flexible outdoor unit combination

The capacity range can be from 25.2kW (8HP) to 180kW (64HP) by outdoor different modular combination:

#### **NEW COMBINATION IS MORE RATIONAL**

Capacity (HP)	Model	Recomm	Recommended combinations									
		8	10	12	14	16	models					
8	SDV4-252EA	•					SDV4-252EA	13				
10	SDV4-280EA		•				SDV4-280EA	16				
12	SDV4-335EA			•			SDV4-335EA	16				
14	SDV4-400EA				•		SDV4-400EA	16				
16	SDV4-450EA					•	SDV4-450EA	20				
18	SDV4-532EA	•	•				SDV4-252EA+SDV4-280EA	20				
20	SDV4-560EA		••				SDV4-280EA+SDV4-280EA	24				
22	SDV4-615EA		•	•			SDV4-280EA+SDV4-335EA	24				
24	SDV4-680EA		•		•		SDV4-280EA+SDV4-400EA	28				
26	SDV4-730EA		•			•	SDV4-280EA+SDV4-450EA	28				
28	SDV4-785EA				••		SDV4-400EA+SDV4-400EA	28				
30	SDV4-850EA				•	•	SDV4-400EA+SDV4-450EA	32				
32	SDV4-900EA					••	SDV4-450EA+SDV4-450EA	32				
34	SDV4-960EA		••		•		SDV4-280EA+SDV4-280EA+SDV4-400EA	36				
36	SDV4-1010EA		••			•	SDV4-280EA+SDV4-280EA+SDV4-450EA	36				
38	SDV4-1065EA		•	•		•	SDV4-280EA+SDV4-335EA+SDV4-450EA	36				
40	SDV4-1130EA		•		•	•	SDV4-280EA+SDV4-400EA+SDV4-450EA	42				
42	SDV4-1180EA				•••		SDV4-400EA+SDV4-400EA+SDV4-400EA	42				
44	SDV4-1235EA				••	•	SDV4-400EA+SDV4-400EA+SDV4-450EA	42				
46	SDV4-1300EA				•	••	SDV4-400EA+SDV4-450EA+SDV4-450EA	48				
48	SDV4-1350EA					•••	SDV4-450EA+SDV4-450EA	48				
50	SDV4-1432EA	•	•			••	SDV4-252EA+SDV4-280EA+SDV4-450EA+SDV4-450EA	54				
52	SDV4-1460EA		••			••	SDV4-280EA+SDV4-280EA+SDV4-450EA+SDV4-450EA	54				
54	SDV4-1515EA		•	•		••	SDV4-280EA+SDV4-335EA+SDV4-450EA+SDV4-450EA	54				
56	SDV4-1580EA		•		•	••	SDV4-280EA+SDV4-400EA+SDV4-450EA+SDV4-450EA	58				
58	SDV4-1630EA				•••	•	SDV4-280EA+SDV4-400EA+SDV4-450EA+SDV4-450EA	58				
60	SDV4-1685EA				••	••	SDV4-400EA+SDV4-400EA+SDV4-450EA+SDV4-450EA	58				
62	SDV4-1750EA				•	•••	SDV4-400EA+SDV4-450EA+SDV4-450EA+SDV4-450EA	64				
64	SDV4-1800EA					••••	SDV4-450EA+SDV4-450EA+SDV4-450EA+SDV4-450EA	64				

diferent combinations of SDVIII

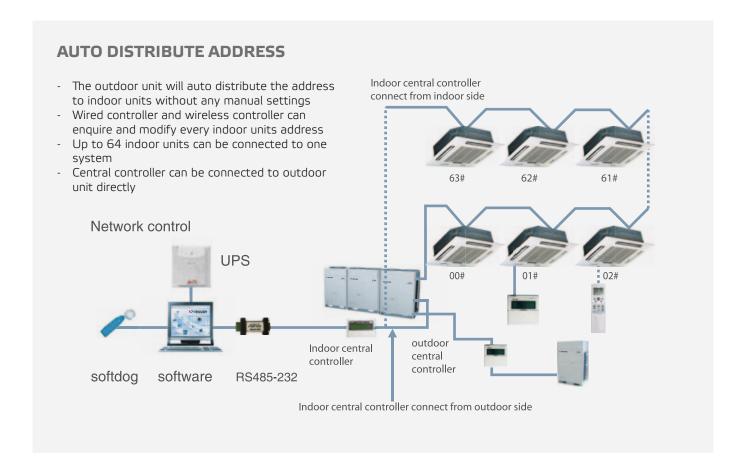
## More Operation Choices

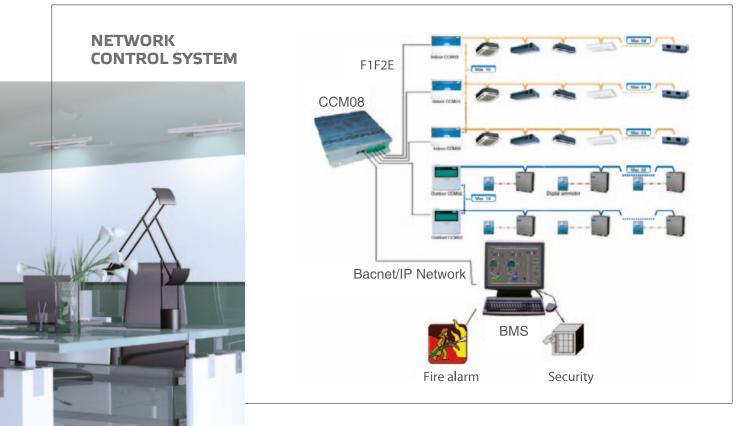
- High static pressure mode
- 0 static pressure mode (default)
- Silence mode in night mode
- Heating priority mode (default)
- Cooling priority mode.
- First on-indoor units priority mode
- Heating only mode
- Cooling only mode



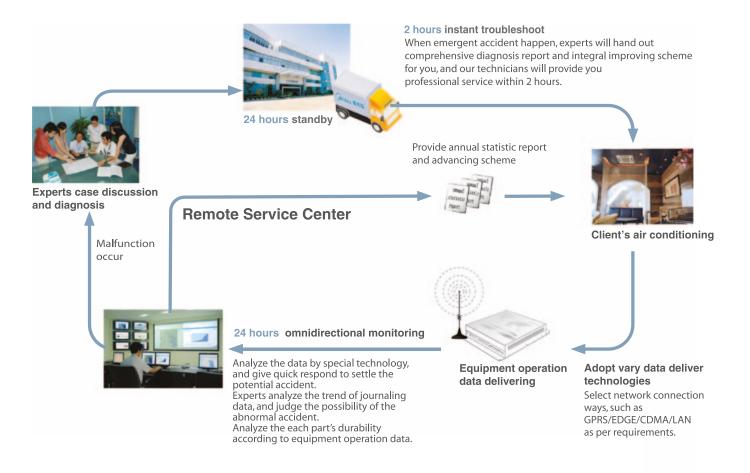
# Intelligent control technology







#### Long-distance Monitor Technology



#### Specification



#### SMALL OUTDOOR UNIT

Model		SDV4-105EA	SDV4-120EA	SDV4-140EA	SDV4-160EA	
Cooling Capacity	kW	10.5	12.0	14.0	16.0	
Cooling Input Power	kW	3.26	3.94	4.08	4.60	
Heating Capacity	kW	12.2	13.2	15.5	17.1	
Heating Input Power	kW	3.38	3.52	4.12	4.83	
Operating Range-Cooling	°C	-15°C~43°C	-15°C~48°C	-15°C~43°C	-15°C~43°C	
Operating Range-Heating	°C	-15°C~21°C	-15°C~27°C	-15°C~21°C	-15°C~21°C	
Power	V-ph-Hz	220-240~1Ph,50Hz	220-240~1Ph,50Hz	380-415~3Ph,50Hz	380-415~3Ph,50Hz	
Sound Pressure Level	Sound Pressure Level dB(A)		57/54	57/54	57/54	
Airflow	m³/h	6500/4800	6000	6500/4300	6500/4300	
Vertical Pipe Length	m		Upper Outdoor: max.30m;	Lower Outdoor: max.20m		
Actual Pipe Length	m	45	45	45	45	
Equivalent Pipe Length	m	50	50	50	50	
Total Pipe Length	m	100	100	100	100	
Net Weight	kg	108	95	115	115	
Gross Weight	kg	116	106	121	121	
Net Dimension (WxHxD)	mm	940x1245x360	900x1327x400	940x1245x360	940x1245x360	
Packing Dimension (WxHxD)	mm	1058x1380x438	1030x1456x435	1058x1380x438	1058x1380x438	



#### COMBINABLE OUTDOOR UNIT

Model		SDV4-252EA	SDV4-280EA	SDV4-335EA	SDV4-400EA	SDV4-450EA	
Cooling Capacity	kW	25.2	28	33.5	40.0	45.0	
Cooling Input Power	kW	5.88	7.2	9.05	12.3	14.0	
Heating Capacity	kW	27.0	31.5	37.5	45.0	50.0	
Heating Input Power	kW	6.15	7.6	9.0	11.2	12.8	
Operating Range-Cooling	°C	-5°C~48°C	-5°C~48°C	-5°C~48°C	-5°C~48°C	-5°C~48°C	
Operating Range-Heating	°C	-20°C~21°C	-20°C~21°C	-20°C~21°C	-20°C~21°C	-20°C~21°C	
Power	er V-ph-Hz 380-415~3Ph,50Hz		380-415~3Ph,50Hz 380-415~3Ph,50Hz		380-415-3Ph,50Hz	380 415~3Ph,50Hz	
Sound Pressure Level dB(A)		57	57	58	60	60	
Airflow	m³/h	11000	11000	12500	15000	15000	
Vertical Pipe Length	m		Upper Outdoo	r: max.70m; Lower Out	door: max.50m		
Actual Pipe Length	m	150	150	150	150	150	
Equivalent Pipe Length	m	175	175	175	175	175	
Total Pipe Length	m	500	500	500	500	500	
Net Weight	kg	245	245	285	325	325	
Gross Weight	kg	260	260	305	355	355	
Net Dimension (WxHxD)	mm	980x1615x765	980x1615x765	980x1615x765	1290x1615x756	1290x1615x756	
Packing Dimension (WxHxD)	mm	1044x1790x830	1044x1790x830	1044x1790x830	1354x1790x860	1354x1790x860	

#### Non-combinable outdoor units

Note: This unit can not be connected parallel

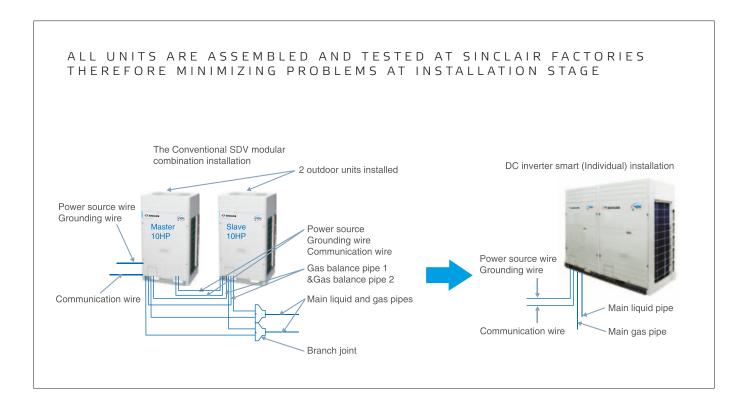




#### **Features**

- Adopts DC scroll compressor
- Own SDV4 advantage technology
- Simple installation and save space
- Same pipe length, Height difference, operating temp range
- Integrated design





# New design axial flow fan and grill



New design grill reduces the wind resistance and increase the flow volume

New design fan shape decrease the noise

The non combinable DC inverter Smart can install the air ventilation assembly, for specification instruction please refer to the service manual.

New design makes the maintenance more convenient. The new design E-part box ass'y makes it very convenient for installation and teardown.







The electrical board can turn



The compressors are fixed in front position, it is more convenient for changing or maintaining the compressors.

#### NON-COMBINABLE OUTDOOR UNIT

Model	SDV4-252EAi	SDV4-280EAi	SDV4-335EAi	SDV4-400EAi	SDV4-450EAi	SDV4-530EAi	SDV4-560EAi			
Cooling Capacity	kW	25.2	28	33.5	40.0	45.0	53.0	56.0		
Cooling Input Power	kW	5.88	7.2	9.05	12.3	14.0	16.0	17.0		
Heating Capacity	kW	27.0	31.5	37.5	45.0	50.0	59.0	63.0		
Heating Input Power	kW	6.15	7.6	9.0	11.2	12.8	14.9	16.0		
Operating Range-Cooling	°C	-5ºC~48ºC	-5ºC~48ºC	-5°C~48°C	-5°C~48°C	-5ºC~48ºC	-5ºC~48ºC	-5°C~48°C		
Operating Range-Heating	°C	-20°C~21°C	-20°C~21°C	-20°C~21°C	-20°C~21°C	-20°C~21°C	-20°C~21°C	-20°C~21°C		
Power	V-ph-Hz			3	80-415~3Ph,50Hz					
Sound Pressure Level	dB(A)	57	57	58	60	60	63	63		
Airflow	m³/h	11000	11000	12500	15000	15000 15000		23000		
Vertical Pipe Length	m		l	Jpper Outdoor: m	nax.70m; Lower Outdoor: max.50m					
Actual Pipe Length	m	150	150	150	150	150	150	150		
Equivalent Pipe Length	m	175	175	175	175	175	175	175		
Total Pipe Length	m	500	500	500	500	500	500	500		
Net Weight	kg	245	245	285	325	325	485	485		
Gross Weight	kg	260	260	305	355	355	505	505		
Net Dimension (WxHxD)	mm		980x1615x765		1290x16	515x756	1960x1615x800			
Packing Dimension (WxHxD)	mm		1044x1790x830		1354x17	790x860	2021x1790x865			





#### SUMMARY

#### INDOOR UNITS

Model (kW)	2.2	2.8	3.6	4.5	5.6	7.1	8.0	9.0	10.0	11.2	12.5	14.0	20.0	25.0	28.0
Four-way Cassette (Compact)	•	•	•	•											
Four-way Cassette					•	•	•	•	•	•		•			
Duct	•	•	•	•	•	•	•	•		•		•			
High Static Pressure Duct													•	•	•
Fresh Air Processing Duct unit											•	•	•	•	•
Ceiling & Floor			•	•	•	•	•	•		•		•			
Wall-mounted	•	•	•	•	•										



# FOUR WAY COMPACT CASSETTE TYPE INDOOR UNIT

Model			SDV4-22CA	SDV4-28CA	SDV4-36CA	SDV4-45CA
Capacity	Cooling	kW	2.2	2.8	3.6	4.5
	Heating	kW	2.4	3.2	4.0	5.0
Power supply		V-Ph-H	220-240~1Ph,50Hz	220-240~1Ph,50Hz	220-240~1Ph,50Hz	220-240~1Ph,50Hz
Rated Power		W	48	48	56	56
Performance	Air flow volume	m³/h	414/313/238	414/313/238	521/409/314	521/409/314
	Noise level	dB(A)	38.1/33.4/23.4	38.1/33.4/23.4	41.5/35.6/28.8	41.5/35.6/28.8
Refrigerant		Туре	R410A	R410A	R410A	R410A
Net Dimension	Body(WxHxD)	mm	630x265x570	630x265x570	630x265x570	630x265x570
	Panel(WxHxD)	mm	647x50x647	647x50x647	647x50x647	647x50x647
Packing	Body(WxHxD)	mm	675x285x675	675x285x675	675x285x675	675x285x675
Dimension	Panel(WxHxD)	mm	705x113x705	705x113x705	705x113x705	705x113x705
Net weight	Body	kg	17.5	17.5	19.0	19.0
	Panel	kg	3.0	3.0	3.0	3.0
Gross Weight	Body	kg	22.0	22.0	23.5	23.5
	Panel	kg	5.0	5.0	5.0	5.0
Pipe diameter	Liquid side	mm	Ø6.4	Ø6.4	Ø6.4	Ø6.4
	Gas side	mm	ø12.7	ø12.7	ø12.7	ø12.7
	Drainage pipe	mm	ø25.0	ø25.0	ø25.0	ø25.0



# FOUR WAY CASSETTE TYPE INDOOR UNIT

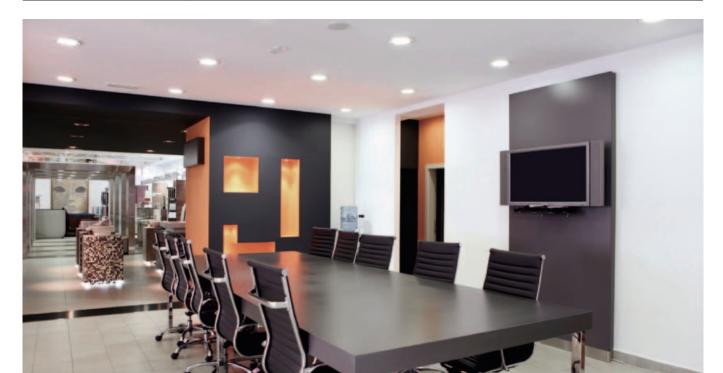
Model			SDV4-56C4A	SDV4-71C4A	SDV4-80C4A	SDV4-90C4A	SDV4-100C4A	SDV4-112C4A	SDV4-140C4A
Capacity	Cooling	kW	5.6	7.1	8.0	9.0	10.0	11.2	14.0
	Heating	kW	6.3	8.0	9.0	10.0	11.0	12.5	15.0
Power supply		V-Ph-H	220-240~1Ph,50Hz						
Rated Power		W	90	115	115	160	160	160	180
Performance	Air flow volume	m³/h	950/800/650	1120/1010/820	1220/1010/820	1540/1300/1120	1540/1300/1120	1540/1300/1120	1800/1500/1280
	Noise level	dB(A)	42/38/35	45/42/39	45/42/39	48/45/43	48/45/43	48/45/43	50/47/44
Refrigerant		Туре	R410A						
Net Dimension	Body(WxHxD)	mm	840x230x840	840x230x840	840x230x840	840x300x840	840x300x840	840x300x840	840x300x840
	Panel(WxHxD)	mm	950x46x950						
Packing	Body(WxHxD)	mm	955x247x955	955x247x955	955x247x955	955x317x955	955x317x955	955x317x955	955x317x955
Dimension	Panel(WxHxD)	mm	1035x90x1035						
Net weight	Body	kg	26	26	26	32	32	32	33
	Panel	kg	6	6	6	6	6	6	6
Gross Weight	Body	kg	32	32	32	39	39	39	40
	Panel	kg	9	9	9	9	9	9	9
Pipe diameter	Liquid side	mm	ø9.5						
	Gas side	mm	ø15.9						
	Drainage pipe	mm	ø32.0						



#### DUCT TYPE INDOOR UNIT

Model			SDV4-22DA	SDV4-28DA	SDV4-36DA	SDV4-45DA	SDV4-56DA	SDV4-71DA
Capacity	Cooling	kW	2.2	2.8	3.6	4.5	5.6	7.1
	Heating	kW	2.6	3.2	4.0	5.0	6.3	8.0
Power supply		V-Ph-H	220-240~1Ph,50Hz	220-240~1Ph,50Hz	220-240~1Ph,50Hz	220-240~1Ph,50Hz	220-240~1Ph,50Hz	220-240~1Ph,50Hz
Rated Power		W	62	62	67	115	115	163
Performance	Air flow volume	m³/h	570/530/410/320	570/530/410/320	570/530/410/320	958/850/667/583	958/850/667/583	1207/1050/905/821
	Static pressure	Pa	10~30(40 site setting)					
	Noise level	dB(A)	38/35/32	38/35/32	40/38/36	41/40/36	41/40/36	43/40/36
Refrigerant		Туре	R410A	R410A	R410A	R410A	R410A	R410A
Net Dimension	(WxHxD)	mm	700x210x635	700x210x635	700x210x635	920x210x635	920x210x635	920x210x635
Packing Dimension	(WxHxD)	mm	915x290x655	915x290x655	915x290x655	1135x290x655	1135x290x655	1135x350x655
Net weight		kg	21.5	21.5	22.0	27.0	27.0	31.0
Gross Weight		kg	26.0	26.0	26.5	32.0	32.0	36.0
Pipe diameter	Liquid side	mm	Ø6.4	Ø6.4	Ø6.4	Ø6.4	ø9.5	ø9.5
	Gas side	mm	ø12.7	ø12.7	ø12.7	ø12.7	Ø15.9	ø15.9
	Drainage pipe	mm	ø32.0	ø32.0	ø32.0	ø32.0	ø32.0	ø32.0

Model			SDV4-80DA	SDV4-90DA	SDV4-112DA	SDV4-140DA		
Capacity	Capacity Cooling		8.0	9.0	11.2	14		
	Heating	kW	9.0	10.0	12.5	15.5		
Power supply		V-Ph-H	220-240~1Ph,50Hz	220-240~1Ph,50Hz	220-240~1Ph,50Hz	220-240~1Ph,50Hz		
Rated Power		W	231	231	327	357		
Performance	Air flow volume	m³/h	(1558)/1350/1167/1033	(1558)/1350/1167/1033	2036	2138		
	Static pressure	Pa	10~50(60 site setting)	10~50(60 site setting)	10~80(100 site setting)	10~100(120 site setting)		
	Noise level dB(A)		Noise level dB(		45/40/37	45/40/37	48/42/38	48/43/39
Refrigerant	•	Туре	R410A	R410A	R410A	R410A		
Net Dimension	(WxHxD)	mm	1140x270x775	1140x270x775	1140x270x775	1200x300x865		
Packing Dimension	(WxHxD)	mm	1355x350x795	1355x350x795	1355x350x795	1385x375x920		
Net weight	•	kg	40.0	42.0 42.0		50.0		
Gross Weight		kg	48.5	50.0	50.0	59.5		
Pipe diameter	Liquid side	mm	ø9.5	ø9.5	ø9.5	ø9.5		
	Gas side	mm	ø15.9	ø15.9	ø15.9	ø15.9		
	Drainage pipe	mm	ø32.0	ø32.0	ø32.0	ø32.0		





# HIGH STATIC PRESSURE DUCT TYPE INDOOR UNIT

Model			SDV4-200DHA	SDV4-250DHA	SDV4-280DHA
Capacity Cooling		kW	20.0	25.0	28.0
	Heating	kW	22.5	26.0	31.5
Power supply		V-Ph-H	220-240~1Ph,50Hz	220-240~1Ph,50Hz	220-240~1Ph,50Hz
Rated Power		W	1516	1516	1516
Performance	Air flow volume	m³/h	4180/3820/3200	4180/3820/3200	4400/3940/3300
	Static pressure	Pa	50~250	50~250	50~250
	Noise level	dB(A)	59/55/52	59/55/52	59/55/52
Refrigerant		Туре	R410A	R410A	R410A
Net Dimension	(WxHxD)	mm	1443x470x810	1443x470x810	1443x470x810
Packing Dimension	(WxHxD)	mm	1509x570x964	1509x570x964	1509x570x964
Net weight		kg	115	115	115
Gross Weight		kg	129	129	129
Pipe diameter	Liquid side	mm	ø9.5 (double)	Ø9.5 (double)	ø9.5 (double)
	Gas side	mm	Ø15.9 (double)	Ø15.9 (double)	ø15.9 (double)
	Drainage pipe mm		ø32	ø32	ø32



# FRESH AIR PROCESSING DUCT TYPE INDOOR UNIT

Model			SDV4-125DFA	SDV4-140DFA	SDV4-200DFA	SDV4-250DFA	SDV4-280DFA
Capacity	Cooling	kW	12.5	14.0	20.0	25.0	28.0
	Heating	kW	10.5	12.0	18.0	20.0	22.0
Power supply		V-Ph-H	220-240~1Ph,50Hz	220-240~1Ph,50Hz	220-240~1Ph,50Hz	220-240~1Ph,50Hz	220-240~1Ph,50Hz
Performance	Air flow volume	m³/h	1700/1350/1050	1700/1350/1050	3150/2650/2300	3300/2850/2500	3300/2850/2500
	Static pressure	Pa	30~220	30~220	50~260	50~260	50~260
	Noise level	dB(A)	54/52/50	54/52/50	54/53/51	55/54/52	55/54/52
Refrigerant		Туре	R410A	R410A	R410A	R410A	R410A
Net Dimension	(WxHxD)	mm	1368x420x691	1368x420x691	1443x470x810	1443x470x810	1443x470x810
Packing Dimension	(WxHxD)	mm	1436x440x768	1436x440x768	1509x522x964	1509x522x964	1509x522x964
Net weight		kg	69.5	69.5	115.0	115.0	115.0
Gross Weight		kg	76.0	76.0	125.0	125.0	125.0
Pipe diameter	Liquid side	mm	ø9.5	ø9.5	ø9.5	ø9.5	ø9.5
	Gas side	mm	ø15.9	ø15.9	ø15.9	ø15.9	ø15.9
	Drainage pipe	mm	ø25.0	ø25.0	ø32	ø32	ø32







# CEILING AND FLOOR TYPE INDOOR UNIT

Model		SDV4-36FA	SDV4-45FA	SDV4-56FA	SDV4-71FA	
Capacity	Capacity Cooling		3.6	4.5	5.6	7.1
	Heating	kW	4.0	5.0	6.3	8.0
Power supply		V-Ph-H	220-240~1Ph,50Hz	220-240~1Ph,50Hz	220-240~1Ph,50Hz	220-240~1Ph,50Hz
Rated Power		W	120	120	122	125
Performance	Air flow volume	m³/h	650/570/500	800/600/500	800/600/500	800/600/500
	Noise level	dB(A)	40/38/36	43/41/38	43/41/38	43/41/38
Refrigerant		Туре	R410A	R410A	R410A	R410A
Net Dimension	(WxHxD)	mm	990x660x206	990x660x206	990x660x206	990x660x206
Packing Dimension	(WxHxD)	mm	1089x744x296	1089x744x296	1089x744x296	1089x744x296
Net weight		kg	26.0	29.0	29.0	29.0
Gross Weight		kg	31.8	35.0	35.0	35.0
Pipe diameter	Liquid side	mm	ø6.4	ø6.4	ø9.5	ø9.5
	Gas side	mm	ø12.7	ø12.7	ø15.9	ø15.9
	Drainage pipe	mm	ø25.0	ø25.0	ø25.0	ø25.0

Model			SDV4-80FA	SDV4-90FA	SDV4-112FA	SDV4-140FA	
Capacity	Cooling	kW	8.0	9.0	11.2	14.0	
	Heating	kW	9.0	10.0	12.5	15.5	
Power supply		V-Ph-H	220-240~1Ph,50Hz	220-240~1Ph,50Hz	220-240~1Ph,50Hz	220-240~1Ph,50Hz	
Rated Power		W	130	130	182	182	
Performance	Air flow volume m³/h		1200/900/700	1200/900/700	1980/1860/1730	1980/1860/1730	
	Noise level	dB(A)	45/43/40	45/43/40	47/45/42	47/45/42	
Refrigerant		Туре	R410A	R410A	R410A	R410A	
Net Dimension	(WxHxD)	mm	1280x660x206	1280x660x206	1670x680x244	1670x680x244	
Packing Dimension	(WxHxD)	mm	1379x744x296	1379x744x296	1764x760x329	1764x760x329	
Net weight		kg	37.0	37.0	54.0	54.0	
Gross Weight		kg	42.0	42.0	61.0	61.0	
Pipe diameter	Liquid side	mm	ø9.5	ø9.5	ø9.5	ø9.5	
	Gas side	mm	ø15.9	ø15.9	ø15.9	ø15.9	
	Drainage pipe	mm	ø25.0	ø25.0	ø25.0	ø25.0	



#### WALL MOUNTED TYPE INDOOR UNIT

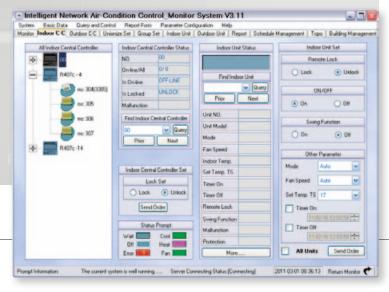
Model			SDV4-22HA-B	SDV4-28HA-B	SDV4-36HA-B	SDV4-45HA-B	SDV4-56HA-B
Capacity	Cooling	kW	2.2	2.8	3.6	4.5	5.6
	Heating	kW	2.4	3.2	4.0	5.0	6.3
Power supply		V-Ph-H	220-240~1Ph,50Hz	220-240~1Ph,50Hz	220-240~1Ph,50Hz	220-240~1Ph,50Hz	220-240~1Ph,50Hz
Rated Power		W	30	30	30	45	45
Performance	Air flow volume	m³/h	580/500/420	580/500/420	580/500/420	900/760/950	900/760/950
	Noise level	dB(A)	35/32/29	35/32/29	35/32/29	40/38/34	40/38/34
Refrigerant		Туре	R410A	R410A	R410A	R410A	R410A
Net Dimension	(WxHxD)	mm	915x290x230	915x290x230	915x290x230	1072x315x230	1072x315x230
Packing Dimension	(WxHxD)	mm	1020x390x315	1020x390x315	1020x390x315	1180x415x315	1180x415x315
Net weight		kg	13	13	13	15.1	15.1
Gross Weight		kg	16.5	16.5	16.5	18.8	18.8
Pipe diameter	Liquid side	mm	ø6.4	Ø6.4	Ø6.4	Ø6.4	ø9.5
	Gas side	mm	ø12.7	ø12.7	ø12.7	ø12.7	ø15.9
	Drainage pipe	mm	ø16.0	ø16.0	ø16.0	Ø16.0	Ø16.0

#### accessories

ALL THE INDOOR UNITS ARE EQUIPPED WITH WIRELESS CONTROLLERS AS STANDARD.

According to specification the units can be also operated by wire and central controllers with functions like ON/OFF time setting, function of master system control.

In combination with electrometer and PC CONTROL (software) it is easy to monitor the energy consumption of whole system or individual groups.



#### CONTROLLERS

**PC CONTROL** MONITORING SOFTWARE



#### **R51**

Infrared controller to all indoor units, except floorceiling.



R05/BG

Infrared controller for floor-ceiling units.



KJR-10B

Wire controller.



KJR-12B

Wire controller with additional function of temperature reading in place of the controller.



#### **CCM02**

Information panel about the operation of the outdoor units.



#### NIM<sub>05</sub>

Hotel module, enables to switch ON/OFF the unit.



#### **CCM03 (CCM10)**

Central wire controller with the possibility of setting priority of cooling or heating.



#### **CCM04**

Weekly timer with the possibility of setting four ON/ OFF time periods.



#### **CCM09**

Central controller with weekly timer



#### **DTS-634**

Digital electrometer to enable measuring the energy consumption



#### **AHU** kit

Sinclair SDV outdoor units can be used with this connection kit, creating an ideal solution when a unique AHU is required.







Internet: http://www.sinclair-eu.com E-mail: info@sinclair-eu.com